

pfRICH Mirror Updates

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- ⬡ Flat Mirror samples cut by hand to within 69-70mm range
- ⬡ Carbon for mirrors laid up and cured between flat glass plates. Lexan glued on between flat plates
- ⬡ Bent Mirror followed same process on a custom machined mold.
- ⬡ Cutting was done by marking tape on Lexan side of carbon for
- ⬡ Lexan Protective Layer is delicate – Tape adds support and additional protection during cutting





Bent Mirror post
cutting with tape
guides



Glue-up prep with epoxy resin



Glue-up alignment and holding

- ⬡ Attempted sealing on small sample using 1 mm diameter O-ring
- ⬡ There is theoretically enough compression to seal, but the surface finish is causing problems
- ⬡ Creating a smoother surface via coating with thin resin or polishing is one option, might be difficult to do on actual end ring
- ⬡ Can also test a thicker seal made of softer material, may still require a better surface finish than is currently on the end ring for adequate sealing
- ⬡ More testing with smoother surface and alternative materials to be done

